

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA



1263672 - R8 SDMS

MEMORANDUM - September 26, 1972

TO - Messers. Roberts ✓
Owings
Murphy
Reid

FROM - E. J. Hammett, Metallurgist's Office

SUBJECT - Settlement weights and terms for the sale of Unroasted Ground
Zinc Dross and Casting Baghouse Fume to American Chemet.

American Chemet Corporation has purchased our inventory of Unroasted Ground Zinc Dross and Casting Baghouse Fume. This material was shipped F.O.B. Black Eagle on September 25, 1972.

This material will be settled for in accordance with the current contract terms covering the sale of Roasted Zinc Dross with an additional price deduction of \$14.30 per ton as explained in the Memo dated August 31, 1972.

The material weights of this car for settlement purposes is as follows:

Car # 71369 -

Unroasted Ground Zinc Dross	-	103,573 lbs.
Casting Baghouse Fume	-	16,927 lbs.
Total	-	120,500 lbs.

E.J. Hammett


9/26/72



434727

Wm. Roberts

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA

MEMORANDUM - August 31, 1972

TO - Messers. Roberts
Owings
Calvert
Murphy
Garvey
Reid
Sampling

FROM - E. J. Hammett, Metallurgist's Office

SUBJECT - Sale of Ground Zinc Dross to American Chemet.

American Chemet Corporation has agreed to purchase some 54 tons of unroasted Ground Zinc Dross currently held in local dross car #601. This material will be shipped on notification by Chemet within the next 10 to 14 days F.O.B. Black Eagle.

This material will be settled for in accordance with the current contract terms covering the sale of Roasted Zinc Dross with an additional price deduction of \$14.30 per ton.

E. Hammett

Approved by: *Wm. J. Roberts*

Wm. J. Roberts, Manager

Mr. Roberts

THE ANACONDA COMPANY
GREAT FALLS, MONTANA 59401



August 28, 1972

Mr. William H. Porter, Jr.
American Chemet Corporation
P. O. Box 700
East Helena, Montana 59635

Subject: Purchase Information on Ground Zinc Dross.

Dear Bill:

Regarding our telephone conversation concerning your possible purchase of some fifty-four tons of unroasted zinc dross, we are sending you a five pound unprepared sample for your consideration.

As to price information, I have conferred with Bill Roberts and he has consented to a price based on the normal contract terms for the pricing of Roasted Zinc Dross less an additional deduction of \$14.30 per ton. The assay of this material is as follows:

Zn - 80.8 Cl - .39 Metallics - 21.9

Your consideration of the possible purchase of this material is appreciated and if I may be of further service, please ask.

Cordially,

Ed. Hammett

Ed. Hammett
Metallurgist's Office

cc: Messers: Roberts
Owings

[Signature]
8/28/72

6-5-72
GO File

SALE OF ROASTED ZINC DROSS
TO AMERICAN CHEMET CORP
ON A SIX MONTH DEFERRED PAYMENT

1 Shipment - Lot 11 80 tons May
Lohman Estimate None June
" " 120 July
200 Tons

(Mr. Roberts - 200-400 tons for 6 mo. deferred payment)

Dross Shipped With Money Still Due
(This will be paid for normally)

<u>Date Billed - Shipped</u>	<u>Lot No.</u>	<u>Dry Tons</u>	<u>Zinc Assay</u>	<u>Amount Due</u>
April 6	3-28	5	80.12	78.95%
May 2	4-1	6	79.28	79.15
May 5	4-11	7	82.87	78.70
May 2	4-17	8	81.65	78.90
May 17	5- 5	9	82.61	79.05
-	5-19	10	81.25	78.30
				Estimated
				189.50/T x 81.25T = 15396.88
Total	6 Lots	487.78 Tons	78.84	\$77,036.14
			Weighted	15,396.88
			Average	\$92,433.02
			Assay	

\$189.50/ton dross

E. Tabaracci - Payment is normally made 3 months after billing date; contract specifies 30 days.

200 tons @ \$189.50/Ton = \$37,900 @ extra 3 months
400 tons @ \$189.50/Ton = \$75,800 @ deferment

\$37,900 @ 0.83% @ 3 months = \$ 944 interest
\$75,800 @ 0.83% @ 3 months = \$1,887 interest
\$4.72/ton

C
5/8/72

PURCHASING
DEPARTMENT

PURCHASE ORDER

MR. HOLMAN
ORDER N^o 4782

AMERICAN CHEMET CORP.
EAST HELENA, MONTANA 59635

THIS NUMBER MUST APPEAR ON IN-
VOICE B/L, CASES, BUNDLES, PACK-
ING LISTS AND CORRESPONDENCE.

DATE 10/29/71

TO

Mr. Jim Orings
The Anaconda Company
Great Falls, Montana

SHIPMENT
F. O. B.
FRT. ALLOWED
QUOTATION
INQUIRY NO.
TERMS
MARK FOR

*Copy to
Anderson Road*

PLEASE SHIP THE FOLLOWING MERCHANDISE SUBJECT TO CONDITIONS BELOW:

SHIP TO

American Chemet Corporation
East Helena, Montana

VIA

To insure prompt payment mail invoice showing order number and with bill of lading attached, to general office, immediately after shipment is made.
Advise promptly if unable to make immediate shipment.

Please advise receipt and acceptance of this order promptly.

No charges allowed for boxing, crating or packing.

Goods subject to our inspection on arrival, notwithstanding prior payment to obtain cash discount.

Goods rejected on account of inferior quality or workmanship will be returned to you with charge for transportation both ways plus labor reloading, trucking, etc., and are not to be replaced except upon receipt of written instructions from us.

QUANTITY	DESCRIPTION	PRICE
	1 Carload Roasted Zinc Dross, min. zinc 78% Lot 11	
	Please forward samples	
	Shipment to be after approval of samples	
	<i>mg</i>	

William H. Porter

PURCHASING AGENT

PER

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA

MEMORANDUM: April 26, 1972

TO : Messrs. Lohman
Calvert
Hammett
Andersson

FROM : V. Richtscheid

SUBJECT : Roasted Dross Shipment

Please arrange to load cars 128, 134, and 125 of dross (Chemet's Lot 9) for shipment to East Helena. Load Friday, April 28, if possible and hold the car for shipment the next Friday, May 5. Please continue to hold Chemet's lot 10 which includes cars: 138, 136, and 118 for future shipment.

VR-ps

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA

MEMORANDUM: April 7, 1972

TO : Messrs. Lohman
Andersson
Calvert
Hammett

FROM : V. Richtscheid

SUBJECT : Roasted Dross Shipment to American Chemet

Mr. Bill Porter has requested shipment of our car No's. 135, 151, 118
his lot #7 of Roasted Zinc Dross as soon as possible. The dross car left
Helena Wednesday, April 5, 1972.

VR-ps

TO

FROM

AMERICAN CHEMET CORP.

P.O. Box 700

East Helena, Montana 59635

SUBJECT

DATE

10/29/71

Jim: Will turn the car we're getting now around
if these samples arrive on time.

Bill

SIGNED

FORM 1120, ROBERT FORMS, PHILA., PA. 19106

SPEED-MEMO

Lohman - File

PURCHASE ORDERORDER N^o 4775PURCHASING
DEPARTMENT

AMERICAN CHEMET CORP.

EAST HELENA, MONTANA 59635

THIS NUMBER MUST APPEAR ON IN-
VOICE B/L, CASES, BUNDLES, PACK-
ING LISTS AND CORRESPONDENCE.

DATE 10/5/71

TO
Mr. Jim Owings
The Anaconda Company
Great Falls, Montana

SHIPMENT
F. O. B.
FRT. ALLOWED
QUOTATION
INQUIRY NO.
TERMS
MARK FOR

PLEASE SHIP THE FOLLOWING MERCHANDISE SUBJECT TO CONDITIONS BELOW:

SHIP TO VIA

American Chemet Corporation
East Helena, Montana

To insure prompt payment mail invoice showing order number and with bill of lading attached, to general office, immediately after shipment is made.
Advise promptly if unable to make immediate shipment.
Please advise receipt and acceptance of this order promptly.
No charges allowed for boxing, crating or packing.
Goods subject to our inspection on arrival, notwithstanding prior payment to obtain cash discount.
Goods rejected on account of inferior quality or workmanship will be returned to you with charge for transportation both ways plus labor reloading, trucking, etc., and are not to be replaced except upon receipt of written instructions from us.

QUANTITY	DESCRIPTION	PRICE
	1 Carload Roasted Zinc Dross, min. zinc 78% Lot 10	
	Shipment after approval of samples and verbal release from American Chemet	
	Copies - Calvert Bardwell Andersson	wf



PURCHASING AGENT

PER

PURCHASING
DEPARTMENT

PURCHASE ORDER

ORDER NO. 4771

AMERICAN CHEMET CORP.
EAST HELENA, MONTANA 59635

THIS NUMBER MUST APPEAR ON IN-
VOICE B/L, CASES, BUNDLES, PACK-
ING LISTS AND CORRESPONDENCE.

DATE 10/1/71

TO

Mr. Jim Owings
The Anaconda Company
Great Falls, Montana

SHIPMENT
F. O. B.
FRT. ALLOWED
QUOTATION
INQUIRY NO.
TERMS
MARK FOR

PLEASE SHIP THE FOLLOWING MERCHANDISE SUBJECT TO CONDITIONS BELOW:

SHIP TO

VIA

American Chemet Corporation
East Helena, Montana

To insure prompt payment mail invoice showing order number and with bill of lading attached, to general office, immediately after shipment is made.
Advise promptly if unable to make immediate shipment.

Please advise receipt and acceptance of this order promptly.

No charges allowed for boxing, crating or packing.

Goods subject to our inspection on arrival, notwithstanding prior payment to obtain cash discount.

Goods rejected on account of inferior quality or workmanship will be returned to you with charge for transportation both ways plus labor reloading, trucking, etc., and are not to be replaced except upon receipt of written instructions from us.

QUANTITY	DESCRIPTION	PRICE
	1 Carload Ox Off Scale on consignment basis	

Please collect Ox-off scale at Wire Hill in wooden Boxes
for direct shipment to Chemet.

J.H.O.

Copies - Sickman
Bardwell
Anderson
Calvert
Murphy

William H. Fortier

PURCHASING AGENT

PER

PURCHASING
DEPARTMENT

PURCHASE ORDER

ORDER N^o 4269

AMERICAN CHEMET CORP.
EAST HELENA, MONTANA

THIS NUMBER MUST APPEAR ON IN-
VOICE B/L, CAGES, BUNDLES, PACK-
ING LISTS AND CORRESPONDENCE.

DATE 12/31/68


TO The Anaconda Company
Great Falls, Montana
Attention: G. T. Wever

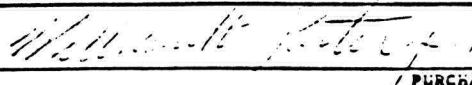
SHIPMENT
F. O. B.
FRT. ALLOWED
QUOTATION
INQUIRY NO.
TERMS
MARK FOR

PLEASE SHIP THE FOLLOWING MERCHANDISE SUBJECT TO CONDITIONS BELOW:

SHIP TO American Chemet Corporation
East Helena, Montana

To insure prompt payment mail invoice showing order number and with bill of lading attached, to general office, immediately after shipment is made.
Advise promptly if unable to make immediate shipment.
Please advise receipt and acceptance of this order promptly.
No charges allowed for boxing, crating or packing.
Goods subject to our inspection on arrival, notwithstanding prior payment to obtain cash discount.
Goods rejected on account of inferior quality or workmanship will be returned to you with charge for transportation both ways plus labor reloading, trucking, etc., and are not to be replaced except upon receipt of written instructions from us.

QUANTITY	DESCRIPTION	PRICE
1	Carload roasted zinc dross, min. zinc 78% To be shipped between the 10th and the 31st of January, 1969 Please confirm by telephone prior to shipping 	



PURCHASING AGENT

PER

PURCHASE ORDER

DER NO. 4253

PURCHASING
DEPARTMENT

AMERICAN CHEMET CORP.

EAST HELENA, MONTANA

THIS NUMBER MUST APPEAR ON IN-
VOICE & L. CASES, BUNDLES, PACK-
ING LISTS AND CORRESPONDENCE.

DATE 11/14/68

Mr. Roberts
Mr. Calvert

SHIPMENT

F. O. B.

FRT. ALLOWED

QUOTATION

INQUIRY NO.

TERMS

MARK FOR

Copy to Mr. Johnson

TO

Mr. Tom Wever
The Anaconda Company
Great Falls, Montana

PLEASE SHIP THE FOLLOWING MERCHANDISE SUBJECT TO CONDITIONS BELOW:

SHIP TO

American Chemet Corporation

VIA

East Helena, Montana

To insure prompt payment mail invoice showing order number and with bill of lading attached, to general office, immediately after shipment is made.

Advise promptly if unable to make immediate shipment.

Please advise receipt and acceptance of this order promptly.

No charges allowed for boxing, crating or packing.

Goods subject to our inspection on arrival, notwithstanding prior payment to obtain cash discount.

Goods rejected on account of inferior quality or workmanship will be returned to you with charge for transportation both ways plus labor reloading, trucking, etc., and are not to be replaced except upon receipt of written instructions from us.

QUANTITY	DESCRIPTION	PRICE
4,000#	10 x 35 mesh zinc granules, from Williams Mill Zinc Dross. Make in the same way our October shipment was made, using a 28 mesh screen for the bottom sizing. Last time the top sizing contained a large fraction that was + 10 mesh. We would like the top fraction sized more closely. Not more than 5% minus 35 mesh material to be retained in the product.	

*Lunn will have samples**Band**my**Shut in 11/14/68*
4063 7th 11/14/68
92.0 3rd 11/14/68
✓

PURCHASING AGENT

PER _____

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA

Chemmet File
Copy of Harvey

June 13, 1968

M E M O R A N D U M

TO: Mr. W. J. Roberts, Manager
FROM: G. T. Weaver

WILLIAMS MILL PRODUCT TO AMERICAN CHEMET

We recently shipped 2500 pounds of -10 to +35 mesh Williams Mill zinc dust to American Chemet for test purposes. We rescreened the +35 mesh product from our mill and assumed that the product off the 35-mesh screen was satisfactory.

Mr. W. Porter, Jr. reports that the material received contained 33% that would pass through a 35-mesh screen and was not satisfactory for his customer.

Mr. Porter requests that we not ship any material with more than 10% passing a 35-mesh screen, as in fact the customer requires a product containing 0-2% through 35 mesh.

The Zinc Plant states that if we were in regular production of this product they would set up to rescreen the 35-mesh portion from the mill. In the meantime, they will rescreen 2500 pounds for shipment to Chemet.

American Chemet will return the original shipment to us freight collect. We will prepay the freight on the replacement.

American Chemet will be credited for the amount of product returned to us against the amount shipped as replacement.

O.S. Zincs Dust. Net Wt 2625
Shipped June 21, 1968 2625
70294.7

Guy J. Leleuer
Metallurgist

GTW-ef

cc: Mr. Lohman
Mr. Murphy
Mr. Calvert

WJ

U.S. Zincs Dust -

*Chemet File
Zn Pt. File*

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA

MEMORANDUM

TO: Mr. W. J. Roberts, Manager
FROM: G. T. Wever

ZINC GRANULES TO AMERICAN CHEMET

Mr. William Porter, Jr., American Chemet Corp., called me today and said they wanted a one-ton shipment of zinc granules from the Williams Mill. These granules are to be screened to +10 -30 mesh.

Mr. Porter said he had a letter from Mr. Graham showing the terms of sale of this material and that when offered to a customer under these terms the customer agreed to a trial shipment.

The total estimated requirement of this material is 50 to 60 tons per month.

Mr. Porter asked when we thought the shipment would be available. Mr. Lohman says the mill is not operating at present, but that there might be enough in the bin to furnish one ton of screened product. He will let me know when it will be available.

*Mr. Garvey
Screen and Arrange
shipment - if necessary
May 31, 1968
check with Wever for
details - This will be
very good business
lets not delay.
WJL*

G. T. Wever
Metallurgist

GTW-ef

cc: Mr. Lohman

NOTE: Received copy of terms from Chemet - This is not a formal contract.

Approximately 150 tons per month -10 +35 mesh screened zinc dross (Raymond's Mill oversize dross) F.O.B. Black Eagle.

Chemet to pay for 100% of zinc content at 11.8¢ per pound when P.W. is 12.5¢ at E. St. Louis. Add or subtract 0.9¢ per pound for each 1.0¢ above or below 12.5¢ per pound.

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA

American Chemet
File

May 14, 1968

M E M O R A N D U M

TO: Mr. W. J. Roberts, Manager
FROM: G. T. Weaver

ZINC DROSS TO AMERICAN CHEMET

The contract terms for the sale of roasted zinc dross to American Chemet Corporation makes no guarantee as to quality of the roasted dross supplied. We started out by assaying for zinc only as this was necessary for settlement purposes.

American Chemet then put a 78.0% zinc minimum on what they would accept. This was followed by a specification of "No metallics". They then required an assay for lead and copper. They now propose to add iron and manganese.

I propose that we assay the plant cars of roasted zinc dross for zinc and metallics, (for our guidance only) and the railroad shipment for zinc only. We would furnish American Chemet with samples of the plant cars on which they may assay for anything they please and then they could tell us whether these cars were acceptable for shipment before we transferred.

A regular settlement sample would be sent to American Chemet from the material in the railroad car after transfer.

Guy T. Weaver
Metallurgist

GTW-ef

cc: Mr. Owings
~~Mr. Bernasch~~
~~Mr. Dana~~

OK
WJ
5/16/68

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA

T. Le

MEMORANDUM: October 22, 1971

TO : Messrs. Lohman
Andersson
Calvert

FROM : V. Richtscheid

SUBJECT : Roasted Dross Shipment to American Chemet

Mr. W. Porter of American Chemet has approved Car No's. 124, 153, with car 144 to top off a shipment of roasted zinc dross to Chemet. He requested shipment on Wednesday, October 27, 1971.

[Signature]
10/22/71

VR-ps

THE ANACONDA COMPANY
GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA

*Original
Am. Chemet
Dross file*

MEMORANDUM - September 26, 1972

TO - Messers. Roberts ✓
Cwings
Murphy
Reid

FROM - E. J. Hammett, Metallurgist's Office

SUBJECT - Settlement weights and terms for the sale of Unroasted Ground Zinc Dross and Casting Baghouse Fume to American Chemet.

American Chemet Corporation has purchased our inventory of Unroasted Ground Zinc Dross and Casting Baghouse Fume. This material was shipped F.O.B. Black Eagle on September 25, 1972.

This material will be settled for in accordance with the current contract terms covering the sale of Roasted Zinc Dross with an additional price deduction of \$14.30 per ton as explained in the Memo dated August 31, 1972.

The material weights of this car for settlement purposes is as follows:

Car # 71369 -

Unroasted Ground Zinc Dross	-	103,573 lbs.
Casting Baghouse Fume	-	16,927 lbs.
Total	-	120,500 lbs.

E.J. Hammett

(W)
9/26/72

SALES AGREEMENT

THIS AGREEMENT, made and entered into this 14th day of December 1971, by and between THE ANACONDA COMPANY, a Montana corporation, Butte, Montana, hereinafter referred to as "SELLER," and AMERICAN CHEMET CORPORATION, a Montana corporation, East Helena, Montana, hereinafter referred to as "BUYER," WITNESSETH:

WHEREAS, Seller and Buyer have entered into letter agreements since approximately July 1, 1948, whereby Seller agreed to sell and Buyer agreed to purchase and pay for fume and zinc plant roasted zinc dross; and,

WHEREAS, said parties desire to enter into a formal written agreement therefor.

NOW, THEREFORE, in consideration of the terms, covenants and conditions herein set forth, Seller and Buyer agree as follows:

1. QUANTITY: Buyer agrees to purchase from Seller up to 100 tons per calendar month each of fume or dross at the prices hereinafter set forth. Buyer may purchase additional fume from Seller each calendar month under separate letter agreements as required by the Buyer and agreeable with Seller.

2. TERM AND CANCELLATION: The term of this contract shall include all letter agreements to the date hereof and shall continue until cancelled by either party upon thirty

(30) days' prior written notice thereof given to the other party.

3. DELIVERY: Fume shall be loaded in bulk in railroad cars, f.o.b. Seller's East Helena, Montana plant. Dross shall be loaded in bulk in railroad cars, f.o.b. Seller's Black Eagle, Montana plant.

4. SAMPLING, WEIGHING AND ASSAYING: Railroad weights and samples taken of fume or dross by Seller as same is loaded will govern in making settlement hereunder. One portion of the sample taken by Seller will be sent to Buyer for its own assay. Upon completion of the assays of each sample taken, Buyer and Seller shall promptly exchange their report thereof by mail. If the assays of the Seller and Buyer are in agreement within 0.5% zinc and/or 0.5% lead, an average of the assays will be used in making settlement. In the event that the assays do not agree within 0.5% zinc and/or 0.5% lead, a portion of the sample will be sent by the Seller to an independent third party assayer who is mutually selected by Seller and Buyer. If the assay of the third party assayer falls between the assays of the parties hereto, the third party assay shall be used in making settlement. If the third party assay falls outside the results of the parties hereto, the party's assay nearest to that of the third party assay shall be used in making settlement. The cost of the third party assay shall be paid by the party whose result differs most widely from the result of the third party.

5. PRICE FOR EAST HELENA SLAG PLANT FUME: The price payable for all fume delivered under this agreement to Buyer shall be six cents (6¢) per pound of contained zinc in the fume, f.o.b. Anaconda trackage, East Helena, /when the quoted prime western delivered price is eight and twenty-five hundredths cents (8.25¢) per pound for the week of delivery of the fume.

To the six cents (6¢) per pound of zinc payable when the prime western delivered price is eight and twenty-five hundredths cents (8.25¢), there shall be added or subtracted nine-tenths cents (0.9¢) for each one cent (1¢) above or below eight and twenty-five hundredths cents (8.25¢) price for prime western delivered zinc less four-tenths cents (0.4¢), fractions in proportion.

To the amount payable for zinc content of the fume, as provided in the preceding paragraphs, there shall be added eight-tenths cents (0.8¢) per pound of lead contained in the fume for each one cent (1¢) above six and five-tenths cents (6.5¢) per pound price for lead at New York the week of delivery, fractions in proportion.

From the amount calculated for the price of fume, deduct ten dollars (\$10.00) per dry short ton.

From the amount calculated for the price of fume, deduct as follows per dry short ton:

When premium per pound of SHG for calendar month of delivery of fume is:

0.00¢ to 1.01¢; deduct \$17.50

1.01¢ to 1.26¢; deduct \$15.00

1.26¢ to 1.51¢; deduct \$12.50

1.51¢ to ---- ; deduct \$10.00

This reduction will continue until cancelled by either party giving 90 days' written notice.

6. PRICE FOR ZINC PLANT ROASTED ZINC DROSS: The same procedure used for pricing East Helena slag fume will be used to price zinc plant roasted zinc dross as provided in the preceding paragraphs except that to the six cents (6¢) per pound of zinc payable when the prime western delivered price is eight and twenty-five hundredths cents (8.25¢), there shall be added or subtracted nine-tenths cents (0.9¢) for each one cent (1¢) above or below eight and twenty-five hundredths cents (8.25¢) price for prime western delivered zinc less one hundred forty-eight thousandths cents (0.148¢) fractions in proportion.

7. PAYMENT FOR FUME AND DROSS: Buyer will make settlement at Great Falls, Montana, within thirty (30) days after the end of each month in which fume is delivered.

8. ASSIGNMENT: This agreement shall not be assigned by either party hereto without the written prior consent of the other.

9. BAG HOUSE FUME: Anaconda is willing to supply zinc plant casting bag house fume under the E. H. Fume terms of this contract with modifications as follows:

(a) Fume to be loaded in bulk in railroad cars f.o.b. trackage at Black Eagle, Montana; any different type of loading or packaging that would result in additional costs to be for the account of Buyer;

(b) Railroad weights at Black Eagle and samples taken by Seller to govern for settlement;

(c) Fume to be supplied from current production.

10. DROSS SALES: For the sale of zinc plant roasted zinc dross the following shall apply:

(a) Seller shall attempt to make at least 150 tons of dross available to Buyer each month.

(b) Seller will supply a sample to Buyer of each car of dross available.

(c) Within five (5) days from the time Buyer receives the sample, Buyer will inform Seller of its acceptance or rejection of the car available. After five (5) days, without notice from Buyer, Seller can dispose of the available car.

(d) Seller will hold a maximum of two (2) cars of Buyer accepted dross for three (3) weeks only. After three (3) weeks, Seller can dispose of any accepted cars.

11. PLANT INTERRUPTIONS: If, for any reason, Seller's operations at the East Helena slag treatment plant are interrupted or discontinued, Seller shall not be under any obligation to make delivery of fume to Buyer. It is understood that all fume delivered under this agreement is from Seller's East Helena slag plant.

12. GUARANTY: It is further understood and agreed that Seller does not guarantee the analysis, color, or physical properties of the fume.

13. LOADING: Seller will attempt to load all fume shipments for Buyer delivery from a location that will help insure Buyer requirements for properties of the fume.

14. It is understood and agreed that the zinc pricing portions of this agreement will be back dated and adjusted to February 1, 1971.

IN WITNESS WHEREOF, the corporate parties have caused these presents to be executed by their officers and representatives thereunto duly authorized and their corporate seals to be affixed hereto, the day and year first above written.

THE ANACONDA COMPANY

By


M. J. Hamilton
General Manager
Montana Operations

ATTEST:

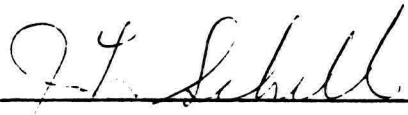
W. R. Gibson
Division Comptroller

SELLER

AMERICAN CHEMET CORPORATION

By 
Its President

ATTEST:


Its Treasurer

BUYER

THE ANACONDA COMPANY

25 BROADWAY, NEW YORK, N. Y. 10004

*Robert
Powell
Werner*

ASSISTANT VICE PRESIDENT
METALLURGY

March 1, 1967

**American Chemet Corporation
105 West Madison Street
Chicago, Illinois**

Attention: Mr. W. W. Shropshire, President

Gentlemen:

This acknowledges your letter of January 24, 1967, requesting that Great Falls zinc casting baghouse fume be included under contract terms covering sale of East Helena fume, as amended in my letter agreement to you dated April 8, 1964.

This is to advise that we are agreeable to this request and effective with sales of zinc casting baghouse fume to American Chemet following March 1, 1967, the amended contract terms will apply.

Please acknowledge by signing and returning to me the enclosed copy of this letter.

Very truly yours,

T. K. Graham

TKG:jh
CC: Mr. L. C. Powell ✓

RECEIVED:

W *Let*
AK

By _____

*Shropshire, Shropshire
Thurs*

THE ANACONDA COMPANY

25 BROADWAY, NEW YORK, N. Y. 10004

METALLURGICAL MANAGER

April 8, 1964

American Chemet Corporation
105 West Madison Street
Chicago, Illinois

Attention: Mr. W. W. Shropshire, President

Gentlemen:

This refers to your visit of March 24, 1964, during which you requested a reduction of \$30.00 per ton in the cost of East Helena fume.

I note that this request is due to a price squeeze in zinc oxide prices. The reduction requested, however, is unrealistic in relation to treatment of fume to metal through the electrolytic zinc process. As I told you, the irreducible minimum terms which we can consider are governed by the profit per pound of zinc, including premium realized through treatment at Great Falls.

We have considered your request from this viewpoint and find that we are able to grant an additional reduction in cost of East Helena fume from the calculated price under our present contract with you dated June 7, 1948, as amended July 5, 1949, May 17, 1961, and July 9, 1962, as follows:

When the premium per pound of
Special High Grade zinc (Z&MJ
Quotations) for calendar month
of delivery of fume is

Reduction in Terms per
dry short ton of fume

0.00¢ to 1.01¢	\$ 17.50
1.01¢ to 1.26¢	\$ 15.00
1.26¢ to 1.51¢	\$ 12.50
1.51¢ to -	\$ 10.00

This reduction is to be applied to deliveries of fume on

I consider the above to mean:

*From 0.00 ¢ to ~~7.50~~ and including 1.00¢ 17.50
From 1.01 ¢ to and including 1.25¢ 15.00
— and 1.00 ¢ to — and 1.00 ¢ to —*

644 (5/4/64)

American Chemet Corporation

- 2 -

April 8, 1964

and after April 1, 1964, and will continue until cancelled by either party giving 90 days' written notice.

If the foregoing is of interest to you, please sign and return to us the enclosed copy of this letter, whereupon the aforesaid agreement as amended shall be deemed further amended in accordance with the terms hereof.

Yours very truly,

THE ANACONDA COMPANY

By /s/ T. K. Graham

ACCEPTED:

AMERICAN CHEMET CORPORATION

By /s/ W. W. Shropshire

TBC:jh

*Messrs. Jones
New*

THE ANACONDA COMPANY

25 Broadway

New York 4. N. Y.

OFFICE OF THE
METALLURGICAL MANAGER

July 9, 1962

**American Chemet Corporation
105 W. Madison Street
Chicago 2, Illinois**

Attention: Mr. W. W. Shropshire, President

Gentlemen:

Our contract with you dated June 7, 1948, as amended and extended, for sale of our East Helena Slag Treating Plant fume, paragraph 5, "Payment for Fume", provides that you make prompt settlement for each car of fume delivered to you as soon as assays are agreed upon, etc.

In view of our long association with you in this business, we are willing to modify this paragraph 5, as follows:

"Settlements hereunder shall be made at Anaconda's office at Great Falls, Montana, within thirty (30) days after the end of each month in which the fume is delivered to you." ✓

If the foregoing is acceptable to you, please sign and return to us the enclosed copy of this letter, whereupon the contract shall be deemed further amended in accordance with the terms hereof.

Very truly yours,

THE ANACONDA COMPANY

By /s/ T. K. Graham


ACCEPTED AND AGREED:

AMERICAN CHEMET CORPORATION

By /s/ W. W. Shropshire
President

TKG:th

*8/6/62
624*

*Messrs. Daniel
Thayer
Shaw
Bachiler
Stearns*

THE ANACONDA COMPANY

25 Broadway, New York 4, N.Y.

OFFICE OF THE VICE PRESIDENT
IN CHARGE OF OPERATIONS

November 29, 1961

American Chemet Corporation
105 West Madison Street
Chicago, Illinois

Att: Mr. W. W. Shropshire, President

Gentlemen:

This will confirm the agreement between The Anaconda Company (hereinafter called "Anaconda") and American Chemet Corporation (hereinafter called "Chemet") whereby Anaconda will sell to Chemet, and Chemet will purchase from Anaconda, zinc plant casting baghouse fume (hereinafter called "Baghouse Fume") in the quantity and on the terms and conditions hereinafter set forth.

1. Quantity

Chemet will purchase from Anaconda hereunder Chemet's requirements of Baghouse Fume each month, up to the total amount of Baghouse Fume produced by Anaconda during that month at its zinc plant at Great Falls, Montana, it being understood that Anaconda shall be obligated to deliver Baghouse Fume hereunder only from its current production of Baghouse Fume at said plant. Chemet will give Anaconda sufficient advance notice of its monthly requirements of Baghouse Fume to permit Anaconda to make timely delivery hereunder. If operations at Anaconda's zinc plant at Great Falls, Montana, are substantially curtailed or are discontinued, Anaconda shall so notify Chemet and this agreement shall thereupon be terminated.

2. Quality

The Baghouse Fume to be sold by Anaconda to Chemet hereunder will be the zinc plant casting baghouse fume produced by Anaconda in the normal course of its zinc plant operations at Great Falls, Montana. It is understood

HSS 1/4/62

R.W.S.

*Briefed 1-4-62
G.H.H.*

and agreed that Anaconda makes no representations with respect to and does not guarantee the analysis of the Baghouse Fume, its color or its physical properties.

3. Delivery

The Baghouse Fume will be delivered in bulk ~~f.o.b. railroad cars at Anaconda's zinc plant at Great Falls, Montana.~~ Any expenses incurred by Anaconda for special handling, loading or packaging will be for the account of Chemet and Chemet will reimburse Anaconda therefor upon demand. Anaconda will load all shipments of Baghouse Fume hereunder from the same locations in its flue system and baghouse at said plant, which will be selected to conform as closely as possible to Chemet's requirements as to color, to the extent that the quantity of Baghouse Fume available from such locations will satisfy Chemet's requirements for Baghouse Fume hereunder and provided that the Baghouse Fume can be loaded from such locations in the required type of railroad car without special handling or other provision.

4. Sampling, Weighing and Assaying

Railroad weights at Great Falls, Montana and samples taken by Anaconda as the Baghouse Fume is loaded into railroad cars will govern in computing the purchase price and making settlement hereunder. Each railroad car shall be sampled separately. One portion of each such sample will be assayed for zinc content by Anaconda and a second portion will be sent to Chemet for such assay. Upon advice from Chemet that its assay has been completed, the assay results of the parties will be crossed in the mail. The average of the two assays for zinc will govern for purposes of settlement hereunder if those assays differ by 0.5% or less; should the two assays for zinc differ by more than 0.5%, an assay for that metal will be made by an umpire acceptable to both parties from a third portion of the sample. In such event, the assay of the umpire if it falls between the assays of the parties or if it is the same as the assay of either party, or the assay of the party which is closest to that of the umpire if the latter does not fall between the assays of the parties and is not the same as the assay of either party, shall be the accepted assay for the zinc carload from which the sample in question was taken and shall govern for purposes of settlement hereunder. The charge for the umpire assay shall be paid by the party whose assay for zinc content is further from that of the umpire assay.

5. Price for Baghouse Fume

Chemet will pay Anaconda a purchase price for the Baghouse Fume delivered hereunder computed as follows:

Six cents (6.0¢) per pound of zinc contained in the Baghouse Fume, plus nine-tenths cents (0.9¢) per pound of such zinc for each one cent (1.0¢) by which the East St. Louis price for Prime Western zinc exceeds eight and twenty-five hundredths cents (8.25¢), or less nine-tenths cents (0.9¢) per pound of such zinc for each one cent (1.0¢) by which the East St. Louis price for Prime Western zinc is less than eight and twenty-five hundredths cents (8.25¢), fractions in proportion.

The East St. Louis price for Prime Western zinc referred to above shall be the average of the daily quotations for that metal published by the Engineering and Mining Journal for the week during which the Baghouse Fume is delivered hereunder.

The purchase price for the Baghouse Fume computed as above set forth shall be reduced, commencing on the date of this agreement and continuing until notice by Anaconda as hereinafter provided, by the amount of ten dollars (\$10.00) per dry short ton of the Baghouse Fume delivered hereunder. Such ten dollar (\$10.00) per ton reduction may be withdrawn and terminated at any time by Anaconda, at its option and in its sole discretion, by sending to Chemet by first class mail at Chemet's above address, postage prepaid, a written notice of such withdrawal and termination, whereupon this agreement shall continue in force (subject to the provisions of paragraph 8 hereof) with the purchase price for the Baghouse Fume computed as above set forth but without the ten dollar (\$10.00) per ton reduction.

6. Payment for Baghouse Fume

Chemet will make settlement for each car of Baghouse Fume delivered hereunder promptly after the governing assay has been determined as hereinabove provided. In the event that the assay for a particular car has not been determined by the time the next delivery of Baghouse Fume hereunder is required, Chemet will pay Anaconda on account a sum computed on the basis of a zinc assay of 70%, subject to adjustment between the parties promptly after determination of the governing assay and computation of the correct price.

Anaconda may from time to time require settlement for any delivery of Baghouse Fume hereunder to be made by sight draft attached to bill of lading for a sum computed on the basis of a zinc assay of 70%, subject to adjustment between the parties promptly after determination of the governing assay and computation of the correct price.

7. Non-assignability

This agreement shall not be assigned by either party hereto without the written prior consent of the other.

8. Term

The term of this agreement shall be from December 1, 1961 through December 31, 1962, and thereafter until terminated by either party upon not less than thirty days' prior written notice of such termination to the other. Such notice may be given by sending the same to the recipient at its address hereinabove set forth by first class mail, postage prepaid.

If the foregoing is in accordance with your understanding and is acceptable to you, please so indicate by signing and returning to us the enclosed copy of this letter, whereupon this will be a binding agreement between our companies in accordance with its terms.

Yours very truly,

THE ANACONDA COMPANY

By /s/ R. S. Newlin
Vice President

ACCEPTED AND AGREED:

AMERICAN CHEMET CORPORATION

By /s/ W. W. Shropshire

COPY

THE ANACONDA COMPANY

GREAT FALLS REDUCTION DEPARTMENT

GREAT FALLS, MONTANA

FLOYD S. WEIMER
MANAGER



August 17, 1957

Mr. W. W. Shropshire, President
American Chemet Corporation
82 West Washington, Suite 820
Chicago 2, Illinois

Dear Mr. Shropshire:

We are willing to supply to you Zinc Plant Casting Baghouse fume in the quantity produced at our Black Eagle, Montana Zinc Plant, under terms of our contract with you, dated June 7, 1948 and extended July 5, 1949, for supplying East Helena Slag Treating Plant fume with modifications as follows:

Paragraph 2 - Delivery

Fume to be loaded in bulk in railroad cars, f.o.b. trackage at our Black Eagle, Montana, plant. Any cost for a different type of loading or for packaging and loading will be for the account of the American Chemet Corporation.

Paragraph 3 -

Railroad weights at Black Eagle, and samples taken by us as fume is loaded at Black Eagle, will govern in making settlement.

Paragraph 5 - Payment for fume

If for any reason our operations at the Black Eagle Zinc Plant are curtailed or discontinued, we shall not be under any obligations to make delivery of fume against your orders. It is understood that all fume delivered under this agreement will be from current production at Black Eagle.

If this agreement is acceptable to you, will you please indicate your acceptance by signing the two copies of this letter enclosed herewith and return same to us.

Yours very truly,

Floyd S. Weimer

Accepted:

W. W. Shropshire
President

COPY

1294
X

ANACONDA COPPER MINING COMPANY

GREAT FALLS REDUCTION DEPARTMENT
GREAT FALLS, MONTANA



June 7, 1948

Mr. W. W. Shropshire, President
American Chemet Corporation
82 West Washington Street
Chicago 2, Illinois

Dear Mr. Shropshire:

Confirming our earlier advices to you, the following terms will apply in the supplying of East Helena Slag Treatment Plant fume to the American Chemet Corporation on and after July 1, 1948.

1. QUANTITY

Your requirements of fume up to 100 tons per calendar month during the period of July 1, 1948, to July 1, 1949.

2. DELIVERY

Fume to be loaded in bulk in railroad cars, f.o.b. trackage at our East Helena, Montana, plant.

3. SAMPLING, WEIGHING AND ASSAYING

Railroad weights at East Helena and samples taken by us as the fume is loaded at East Helena will govern in making settlement. Of the sample taken by us, one portion will be sent to you for your assay, and upon receipt of advice from you that your assay has been completed, your assay and our assay will be mailed to the other party. If the assays of the parties agree within 0.5% zinc and/or 0.5% lead, an average of the assays will be used in making settlement. If they do not agree within 0.5% zinc and/or 0.5% lead, a third part of the sample will be sent to an umpire assayer mutually agreeable to both parties. If the assay of the umpire falls between the assays of the parties, the umpire's assay shall be used in making settlement, but if the umpire's assay falls outside the results of the parties, the party's assay nearest that to the umpire's assay shall be used in making settlement. The cost of the umpire assay shall be paid by the party whose result differs most widely from the result of the umpire.

WJH
6/11/48

June 7, 1948

4. PRICE FOR FUME

The price payable for all fume delivered to you under this agreement shall be six cents (6¢) per pound of zinc contained in the fume, f.o.b. East Helena, when St. Louis price for Prime Western zinc, as quoted by the Engineering and Mining Journal for week of delivery of the fume, is eight and twenty-five hundredths cents (8.25¢) per pound.

To the six cents (6¢) per pound of zinc payable when St. Louis price is eight and twenty-five hundredths cents (8.25¢), there shall be added or subtracted nine-tenths cents (0.9¢) for each one cent (1¢) above or below eight and twenty-five hundredths cents (8.25¢) price for Prime Western zinc at St. Louis; fractions in proportion.

To the amount payable for zinc content of the fume, as provided in the preceding paragraphs, there shall be added eight-tenths cents (0.8¢) per pound of lead contained in the fume for each one cent (1¢) above six and five-tenths cents (6.5¢) per pound price for lead at New York, fractions in proportion.

5. PAYMENT FOR FUME

You will make prompt settlement for each car of fume delivered to you as soon as assays are agreed upon. In the event that assays have not been agreed upon, in the case of any individual car, before you request delivery of an additional car of fume, you will make settlement on the basis of 70% zinc and 7% lead content in fume already shipped and final settlement will be adjusted to the true assay as soon as agreed upon.

We may require settlement through Sight Draft, based on 70% zinc and 7% lead assay, attached to the Bill of Lading on each car if we so desire.

If for any reason our operations at the East Helena Slag Treatment Plant are interrupted or discontinued, we shall not be under any obligation to make delivery of fume against your orders. It is understood that all fume delivered under this agreement will be from current production at East Helena.

It is further understood and agreed that we do not guarantee the analysis of the fume, its color, or physical properties.

We will load all shipments of fume from the same locations in our flue system and baghouse at East Helena insofar as the

June 7, 1948

quantity available from these locations will satisfy your requirements. These locations will be selected to conform as closely as possible to your requirements for color, so long as time can be loaded in the type of railroad car required without special provision or handling on our part.

7. This agreement may not be assigned to any other individual or corporation without first obtaining consent of the other party to the agreement.

If the foregoing statements are in accordance with your understanding of our agreement and are acceptable to you, will you please indicate your acceptance by signing the two copies of this letter enclosed herewith and return same to me.

Yours very truly,

R. B. Caples

HBC:db

ACCEPTED:

E. Shropshire

THE ANACONDA COMPANY

GREAT FALLS, MONTANA

LEONARD C. POWELL
GENERAL SUPERINTENDENT



May 17, 1965

Dear Bill:

We are now approaching the rainy season in Montana and very possibly the smoke damage problem described in Mr. Kane's memorandum of August 26, 1964 (copy attached) will recur.

As a matter of interest, we have investigated the total amount of sulfur released to the atmosphere as sulfur dioxide at our East Helena Slag Treating Plant and the AS&R Company Lead Plant. Calculations indicate we release approximately 3.8 tons of sulfur per day at our Slag Treating Plant and Mr. Stan Lane, Manager of the AS&R Company Plant, has stated the AS&R Plant releases approximately 90 tons of sulfur per day.

I thought this information might be of interest to you.

Very truly yours,

General Superintendent

LCP:vw
Enclosure

cc: Messrs. Hannifan
Kane

W. M. Kirkpatrick, General Western Counsel
The Anaconda Company
Butte, Montana

ATTACHMENT 6

xc sent to
Bill Gray
7-6-71Original sent to Butte
to Land's office.WJH
7/6/71

FOR OFFICE USE ONLY

Received By:

Reviewed By:

County:

SIC Number:

Coordinates:

Return To:

AIR POLLUTION CONTROL DIVISION
COGSWELL BUILDING
HELENA, MONTANA 59601

AIR CONTAMINANT EMISSIONS SURVEY

Information is to be representative of Calendar Year

Firm name: Tra Anacostia Company Slag Treating Plant
 Person to contact regarding this report: Maurice Villeneuve Title: Plant Superintendent Phone: 327-6721
 Mailing address: East Helena, Montana, 59635
 Plant address: _____
 Nature of business: (Products) Production of Zinc oxide fume
 Employees at plant location: 15; If seasonal, give range 15-10 Summer Vacations Approximate land area at plant location: 2 Acres

SECTION 1 - FUEL USE FOR GENERATION OF HEAT, STEAM, AND POWER

Normal operating schedule 3 shifts Hours per day 24 Days per week 7 Weeks per year 50-52
 Seasonal and/or peak operation period: (Specify) Winter - Dec. to March
 Estimate of percent of total fuel consumed to provide space heat: 29,422,000 Btu

Source No.	A	B	C	D	E	F	G	H	I	J	K	L
	Size of unit (input) (B) 100 Btu hr	Type unit (C)	Installation Date	Fuel data (D)				Air cleaning equipment		Estimate of contaminants (M)		
				Type fuel (E)	Amount per year (F)	Heat content (G) Btu	Percent sulfur (G-H)	Percent ash (cool only) (G-H)	Type (I)	Efficiency (J) %	Type (K)	Quantity (L)
1		Natural gas			100,000							
		Industrial waste										
		Various	Various									
		Various										

SECTION II - REFUSE DISPOSAL

Refuse disposed of Dump - furnace On site _____ Off site - Location of disposal site and/or name of hauler: _____
 Normal on-site combustion operating schedule: Daily Hours per day 15 hrs Days per week 7 Weeks per year 52
 Seasonal and/or peak operation period: (Specify) _____

Source No. (A)	B Waste material		C Method of disposal (See Code Page 2)	D Incinerator capacity, lb/hr	E Auxiliary fuel used (M)	F Type and efficiency, air cleaning equipment (I-J)	G Estimate of contaminants (M)	
	Type (N)	Amount per year (P)					Type (K)	Quantity per year (L)
1	Metal scrap	16 tons	Zinc fuming furnace	—	Heating gas	See Section III	—	—
2	Scrap metal	5 tons	Stored on dump	—	—	—	—	—

AIR POLLUTION CONTROL DIVISION
COGSWELL BUILDING
HELENA, MONTANA 59601

AIR CONTAMINANT EMISSIONS SURVEY
SECTION III - PROCESS EMISSIONS

Normal operating schedule: 3 shift Hours per day 24 Days per week 7 Weeks per year 50-52

Seasonal and/or peak operation period: N.A.

NOTE: For intermittent operations, indicate approximate frequency and duration so that estimates of yearly emissions may be obtained.

Source No.(A)	Processes or operations releasing contaminants to atmosphere (A-P)	Installation Date	Materials processed and/or used at operations		Quantity of gas discharged from process or operation	Type and efficiency of air cleaning equipment (I-J)	Estimate of contaminants (K)		Basis of estimate (R) (Please specify basis)
			Type (Q)	Quantity per year (P)			Type (K)	Quantity per year (L)	
I	Zinc Fuming Furn	1927	Pit furnace	200,000	140,000 cfm @ 285°F	baghouse 99.9%	SO ₂	1420 Tons	Field tests
			Coal	45,000			Zn & Pb Fume	?	
II	Charging & Tapping			Slag above in I	?		Zn & Pb Fume	?	
III	Coal Plant	1968	Coal	Coal above in I	150,000 cfm	baghouse 99.9%	Coal	?	

* Give a different no. to represent each source and then give stack data opposite the same number on Section IV.

* Nameplate data are sufficient.

* Hand-fired; underfeed, traveling grate or spreader stoker; cyclone furnace; pulverized, wet or dry bottom with or without fly ash reinjection; rotary or gun-type oil burner; etc.

* Fuel data are to be reported on "as burned" basis.

* Coke, bituminous coal, anthracite coal; No. 1, 2, 4, 5 or 6 fuel oil; natural gas; LPG; refinery or coke oven gas; wood, etc.

* Pounds, tons, or gallons per year.

* If unknown, please give name and address of fuel supplier.

* Sulfur and ash content for each fuel should be a weighted average.

* Cyclone, scrubber, electrostatic precipitator, baghouse, settling chamber, etc.

* Please state if efficiency is a rated or operating efficiency.

* Fly ash, sulfur oxides, etc. (include chemical description).

* Pounds or tons per year.

* Give stack test data if available, or otherwise specify basis used.

* Rubbish, garbage, mixed garbage and rubbish, waste paper, wood chips or sawdust, etc.

* Indicate whether auxiliary fuel is used in incinerators and pit burning, and the amount.

* Sulfuric acid-chamber, aluminum smelting-crucible furnace, iron melting-cupola, cement manufacture-dry process, solvent cleaning, or other (please specify).

* Acid produced, tons, metal charged or processed, tons; cement produced, bbl.; solvent consumed, gallons; etc. per year.

* Process material balance studies, field tests by plant or by equipment manufacturers, or other basis.

* List sources Sections I, II, III which utilize each stack.

METHOD OF DISPOSAL CODE:

1. Open-burning dump.
2. Sanitary landfill. (no burning)
3. Burned in boiler or furnace.
4. Incinerator, single chamber.
5. Incinerator, multiple chamber.
6. Incinerator, rotary.
7. Conical metal burner.
8. Other (Specify)

Storage in bins

SECTION IV - STACK DATA

SOURCES VENTED (S)	HEIGHT (Feet) (above ground)	INSIDE DIAMETER (Feet)	EXIT GAS		
			Temperature of	Velocity (FPS)	Moisture (%)
I	80' est	N.A.	< 250°F	?	?
II	60' est	N.A.	< 150°F	?	?
III	70' est	A: 4.75 ft	175°F	< 4200 fpm	?

Any supplemental material or data considered pertinent (flow diagrams, reports, summaries, test results, maps) should be submitted with this form.

Date _____ Name and title of official submitting reports _____

①

Sulphur Emissions.

East Helena:

3,548,610 ^{per year} pounds of Sulphur emitted to
atmosphere at present production.

AIR POLLUTION CONTROL DIVISION
COGSWELL BUILDING
HELENA, MONTANA 59601

AIR CONTAMINANT EMISSIONS SURVEY
SECTION III - PROCESS EMISSIONS

Normal operating schedule: 3 shifts Hours per day 24 Days per week 7 Weeks per year 50-52
Seasonal and/or peak operation period: N.A.

NOTE: For intermittent operations, indicate approximate frequency and duration so that estimates of yearly emissions may be obtained.

Source No.(A)	Processes or operations releasing contaminants to atmosphere (A-P)	Installation Date	Materials processed and/or used at operations		Quantity of gas discharged from process or operation	Type and efficiency of air cleaning equipment (I-J)	Estimate of contaminants (M)		Basis of estimate (N) (Please specify basis)
			Type (O)	Quantity per year (P)			Type (K)	Quantity per year (L)	
I	Line Firing Furn	1927	Pit furnace	200,000	140,000 cfm @ 285°F	baghouse 99.9%	SO ₂	1420 Tons	Fuel tests
II	Charging & Tapping		Coal				Zn & Pb Fume	?	
III	Coal Plant	1968	Coal	Coal above I	?		Zn & Pb Fume	?	
				Coal above I	15-20,000 cfm	baghouse 99.9%	CO ₂	?	

- a Give a different no. to represent each source and then give stack data opposite the same number on Section IV.
b Name: state data are sufficient.
c Hand-fired, underfeed, traveling-grate or spreader stoker; cyclone furnace; pulverized, wet or dry bottom with or without fly ash reinjection; rotary or gun-type oil burner; etc.
d Fuel data are to be reported on "as burned basis."
e Coke, bituminous coal, anthracite coal; No. 1, 2, 4, 5 or 6 fuel oil; natural gas; LPG; refinery or coke oven gas; wood, etc.
f Pounds, tons, or gallons per year.
g If unknown, please give name and address of fuel supplier.
h Sulfur and ash content for each fuel should be a weighted average.
i Cyclone, scrubber, electrostatic precipitator, baghouse, settling chamber, etc.
j Please state if efficiency is a rated or operating efficiency.
k Fly ash, sulfur oxides, etc. (include chemical description).
l Pounds or tons per year.
m Give stack test data if available, or otherwise specify basis used.
n Rubbish, garbage, mixed garbage and rubbish, waste paper, wood chips or sawdust, etc.
o Indicate whether auxiliary fuel is used in incinerators and pit burning, and the amount.
p Sulfuric acid-chamber, aluminum smelting-crucible furnace, iron melting-cupola, cement manufacture-dry process, solvent cleaning, or other (please specify).
q Acid produced, tons, metal charged or processed, tons; cement produced, bbl.; solvent consumed, gallons; etc. per year.
r Process material balance studies, field tests by plant or by equipment manufacturers, or other basis.
s List sources Sections I, II, III which utilize each stack.

METHOD OF DISPOSAL CODE:

1. Open-burning dump.
2. Sanitary landfill. (no burning)
3. Burned in boiler or furnace.
4. Incinerator, single chamber.
5. Incinerator, multiple chamber
6. Incinerator, rotary.
7. Conical metal burner.
8. Other (Specify)

SECTION IV - STACK DATA

SOURCES VENTED (S)	HEIGHT (Feet) (above ground)	INSIDE DIAMETER (Feet)	EXIT GAS		
			Temperature of	Velocity (FPS)	Moisture (%)
I	80' est	N.A.	< 250°F	?	?
II	60' est	N.A.	< 150°F	?	?
III	70' est	4.75 ft	175°F	< 4200 fpm	?

Any supplemental material or data considered pertinent (flow diagrams, reports, summaries, test results, maps) should be submitted with this form.

Date _____ Name and title of official submitting reports _____

Original sent to Butte
to Land's office.

WJ
7/6/71

Return To:

AIR POLLUTION CONTROL DIVISION
COGSWELL BUILDING
HELENA, MONTANA 59601

AIR CONTAMINANT EMISSIONS SURVEY

Information is to be representative of Calendar Year

FOR OFFICE USE ONLY

Received By:

Reviewed By:

County:

SIC Number:

Coordinates:

Firm name: The American Company Slag Treating Plant
Person to contact regarding this report: Marcel V. Veneve Title: Plant Superintendent Phone: 227-6721
Mailing address: East Helena, Montana, 59625
Plant address: _____
Nature of business: (Products) Production of Zinc Oxide fume
Employees at plant location: 75 If seasonal, give range 75-80 Summer Months Approximate land area at plant location: 2.0

SECTION 1 - FUEL USE FOR GENERATION OF HEAT, STEAM, AND POWER

Normal operating schedule 3 shifts Hours per day 24 Days per week 7 Weeks per year 52
Seasonal and/or peak operation period: (Specify) Winter Months
Estimate of percent of total fuel consumed to provide space heat: 29 422,000 Btu

Source No.	A	B	C	D	E	F	G	H	I	J	K	L
	Size of unit (input) Btu/hr.	Type unit (C)	Installation Date	Fuel data (D)					Air cleaning equipment		Estimate of contaminants (M)	
				Type fuel (E)	Amount per year (F)	Heat content (G) Btu	Percent sulfur (G-H)	Percent ash (cool only) (G-H)	Type (I)	Efficiency (J) %	Type (K)	Quantity (L)
I		Natural gas			20,000							
		Low Voltage		Electric	100,000	100,000						
		Electric	Vertical	Electric								
		Water										
		Steam										

SECTION II - REFUSE DISPOSAL

Refuse disposed of Landfill On site _____ Off site - Location of disposal site and/or name of hauler: _____
Normal on-site combustion operating schedule: Daily Hours per day 15 Days per week 7 Weeks per year 52
Seasonal and/or peak operation period: (Specify) _____

Source No. (A)	B Waste material		C Method of disposal (See Code Page 2)	D Incinerator capacity, lb/hr	E Auxiliary fuel used (I)	F Type and efficiency, air cleaning equipment (I-J)	G Estimate of contaminants (M)	
	Type (N)	Amount per year (P)					Type (K)	Quantity per year (L)
I	Household refuse	6 tons	Landfill	—	—	—	—	—
II	Scrap metal	5 tons	stored in dump	—	—	—	—	—